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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/750,703

01/02/2004

Arjun Chandrasekar Iyer

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09/29/2006

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EXAMINER

ALI, MOHAMMAD

ART UNIT

PAPER NUMBER

2166

DATE MAILED: 09/29/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/750,703	Applicant(s) CHANDRASEKAR IYER ET AL	
	Examiner Mohammad Ali	Art Unit 2166	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 November 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 116-163 is/are pending in the application.
- 4a) Of the above claim(s) 1-115 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 116-163 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. The application has been examined and claims 116-163 are pending in this Office Action.

Claim Rejections - 35 USC § 101

2. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 129-132 and 141-144 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter, the claimed recitation of a use, without setting forth any steps involved in the process, i.e., results in a claim which is not a proper process claim under 35 U.S.C. 101. executing steps of process is required (example, claim 137 is comply with 35 USC 101).

Claims 133-136 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter, computer readable medium could be transmission media or carrier wave. In order to overcome the rejections examiner suggests adding computer readable storage media can overcome the rejections.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

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(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

4. Claims 116-163 are rejected under 35 U.S.C. 102(e) as being anticipated by Steve W. Bogrett ('Brogett' hereinafter), USP, 6,581,054.

With respect to claim 116,

Bogrett teaches a method comprising generating a set of SQL statements to query a first table and a second table (see col. 9, lines 16-25, Bogrett),

wherein

the generating uses a relationship between the first table and the second table to construct the set of SQL statements (see col. 9, lines 16-25, Fig. 3, Bogrett), and

the set of SQL statements does not include a statement that joins the first and second tables (see col. 10, lines 17-24, Fig. 3, Bogrett).

As to claim 117,

Bogrett teaches wherein the relationship comprises: a parent/child relationship

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between the first and second tables, wherein one of the first and second tables is a parent table, and if the first table is the parent table, the second table is a child table, and if the second table is the parent table, the first table is the child table (see col. 9, lines 16-25, Bogrett).

As to claim 118,

Bogrett teaches querying the parent table using the set of SQL statements to produce a result set (see col. 11, lines 50-56, Bogrett);

and using the result set for constructing a second set of SQL statements to query the child table, wherein the second set of SQL statements does not include a second statement that joins the second table to another table (see col. 10, lines 17-24, Fig. 3, Bogrett).

As to claim 119,

Bogrett teaches querying the child table using the second set of SQL statements to produce a second result set (see col. 9, lines 16-25, Bogrett); and

joining the result set and the second result set to produce a third result set (see col. 11, lines 41-49, Bogrett).

As to claim 120,

Bogrett teaches returning the third result set as a result of the query of the first and second tables (see col. 9, lines 16-25, Bogrett).

As to claim 121,

Bogrett teaches the second set of SQL statements comprises: a query statement for selecting a record having a value of a foreign key field of the second table equal to a value of a target key field in the result set (see col. 9, lines 56-67, Bogrett).

As to claim 122,

Bogrett teaches querying the first table using the set of SQL statements to produce a result set (see col. 9, lines 16-25, Bogrett); and

using the result set for constructing a second set of SQL statements to query the second table, wherein the second set of SQL statements does not include a second statement that joins the second table to another table (see col. 10, lines 17-24, Fig. 3, Bogrett).

As to claim 123,

Bogrett teaches querying the second table using the second set of SQL statements to produce a second result set (see col. 6, lines 1-5, Bogrett); and

joining the result set and the second result set to produce a third result set (see col. 9, lines 16-25, Bogrett).

As to claim 124,

Bogrett teaches returning the third result set as a result of the query of the first and second tables (see col. 6, lines 1-5, Bogrett).

As to claim 125,

Bogrett teaches wherein the second set of SQL statements comprises:
a query statement for selecting a record having a value of a foreign key field of the

second table equal to a value of a target key field in the result set (see col. 9, lines 44-45, Bogrett).

As to claim 126,

Bogrett teaches obtaining a search specification for the query of the first and second tables (see col. 9, lines 16-25, Bogrett),

wherein

the set of SQL statements comprises a query statement to select a record from at least one of the first and second tables if the record satisfies the search specification (see col. 9, lines 16-25, Bogrett).

As to claim 127,

Bogrett teaches executing the set of SQL statements to produce a result set, and returning the result set in response to the search specification (see col. 6, lines 1-5, Bogrett).


Claims 128-163 have the same subject matter except "a processor to execute instructions; and a memory to store the instructions, wherein the memory is coupled to the processor" and Bogrett teaches at Fig. 1 and essentially rejected for the same reasons as discussed above.

Contact Information

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mohammad Ali whose telephone number is (571) 272-4105. The examiner can normally be reached on Monday-Thursday (7:30 am-6:00 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain T. Alam can be reached on (571) 272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Mohammad Ali
Primary Examiner
Art Unit 2166

MA
September 27, 2006